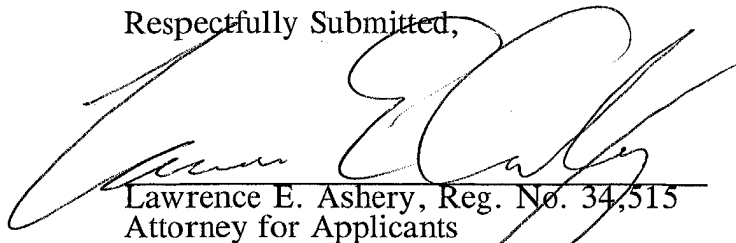# REMARKS

Claims 1 and 4 have been amended.

Respectfully Submitted,

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LEA/dlm
Enclosures: Amended Abstract
             Version with markings to show changes made

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Kathleen Libby

VERSION WITH MARKINGS TO SHOW CHANGES MADE

<u>CLAIMS</u>:

1. (Amended) A brushless motor comprising:

a rotor with a permanent magnet having P (P is an integer not less than two) ~~pieces of polarity~~ <u>polarities</u>; and

a stator facing said rotor and having a plurality of coils,

wherein any one of the coils has isosceles sides interlinking with <u>a</u> magnetic field generated by the polarities, ~~and~~ extension lines of the isosceles sides<u>,</u> extending ~~through~~ <u>along</u> centers of winding-bundles of the coil, ~~toward a shaft center~~ crossing each other at ~~the~~ <u>a</u> shaft center and ~~form~~ <u>having an</u> vertex angle of 360/P degree.

4. (Amended) The brushless motor as defined in Claim 3, wherein the coils adjacent to each other ~~is~~ <u>are</u> spaced out at intervals of (360/P) × (5/3) degree.

<u>ABSTRACT</u>:

A three-phase brushless motor includes a rotor with a permanent magnet having P (P is an integer not less than two) ~~pieces of polarity~~ <u>polarities</u> and a stator facing the rotor and having plural coils shaped in approx. triangle or trapezoid. A space between adjacent coils is (360/P) × (5/3) degree. Three position-detectors, which detect the position of the rotor, is placed at intervals of (360/P) × (2/3) degree in an area where no coils are placed. This structure allows the coils to be optimally shaped and placed, and realizes to reduce a number of coils as well as improve the motor characteristics.